

i2cmc519

NATURE
NOTE BOOK.
INTERLEAVED.

PLATE 599

12 ANC 519

"

- Margaret Deck -

- Book III.

12 ANC 519

i2p2cmcs19

August 13.

Rock Primula

We found this flower growing on the rocks below the tennis court hill. I cannot find its name; it seems exactly the same as the pink rock primula growing on the precipice path, except that the leaves are different. Instead of growing in a rosette at the bottom, they are large, radical, and hairy. It seemed to be almost over.

On the bank opposite the post office we found a pink forget-me-not, prettier than I have ever found them. We also found a very pale pink mallow (the tall one) it was almost white. We saw one piece of the large kind of figwort

August 15. Yesterday we found a white seabeans on the Waterworks Road; it was the first we had seen out.

Today we saw two new flowers on the path below the precipice. One was a shrub with downy leaves, and small white, purple-spotted flowers - plectranthus

i2p3cmcs19



- August

iap4cmcsig



Blighted
Cherry leaf



- Coral Fungus -

Uvaria?

Aug. 18. 1912.

iap5cmcsig

gerardianus (Labiatae) The upper lobe of the flower is divided into three divisions; and it is a curious fact that the two left divisions are spotted with purple, while the third is quite white. The flowers are quite small. The cherry leaf on the opposite page was found on Panther Hill. Most of the leaves of several trees were diseased in the same way. This kind of fungus grows out of the ground, and looks very like coral.

August 21.

Yesterday we saw quite a number of minivets in the compound. They are very brightly colored little birds; the male has a great deal of red on it, and the young and the female have bright yellow breasts. They generally seem to fly about several together, and very often have a king crow with them. This is the first time I have seen them here.

On the precipice path we found another orchid in flower. It is rather like

12p6cmcs19

Habenaria Edgeworthii, but the leaves are quite different. It has two broad, fleshy, dark green leaves which grow at the base of the stalk, and spread out over the ground. The flowers have a very sweet smell. We also found another kind of orchid without any leaves.

Aug. 23. Yesterday we found this small seedling with a patch of yellow at the end of each leaf.

The chinchilla

so far I have

"Sweertia cordata"



is just coming out,
found two kinds
and *Sweertia paniculata*.

Aug. 24. To-day we went to Panther Hill starting from here at eleven. We went down the Saddle, and took a path to the left which took us right round to the other side of the Hill. The path led us through some beautiful grassy slopes, in which I saw several orchids, but nearly all of them were green. I found one pink one - *Satyrion nepalense*, but it was nearly over.

12p7cmcs19



Nepeta

August 23

SEP: 11

12p8cm19



-Sunflower-

September. 6-

12p9cm19

In some rocks I found a short shrubby plant, somewhat resembling white knapweed. The flowers were very much the same, and the leaves were alternate, entire, and very numerous. There were several bushes of Traveller's joy, the first I have seen here. There seems to be none in Manchuria. Pedicularis is getting over now; I found a pure white piece. I found a third kind of chireta - "swertia lethagana". The flowers are rather like "swertia paniculata", only each petal has two green glands, and two small, faint mauve marks just above. I looked everywhere for sunflowers which have been found near the saddle, but I found none. Golden rod is just coming out. I found a kind of hawkweed but cannot find its name. The flowers were yellow, about half an inch in diameter, and arranged alternately up the stalk; they were sessile. The whole plant grew about 1½-2 ft. high.

12pm Oct 5 19

Sep. 6. On Tuesday the 3rd. we went to Picnic Point, going by the path leading from Hula-ka-dunna Saddle. I found about seventeen new flowers altogether, several of which I had never seen before. We were especially looking out for sunflowers, but we found none. From Picnic Point we went on the the Forest Bungalow, and came back by the signpost.

There is a good deal of this flower now (*Prenanthes Brunonianus*). The flowers themselves are very pretty, but the plant is very straggling, and the leaves are chiefly radical. It varies a good deal; sometimes the stems are smooth and sometimes hairy; sometimes the leaves are simple and oblong, and sometimes variously cut into several lobes.

12pm Oct 5 19



Prenanthes
Brunonianus

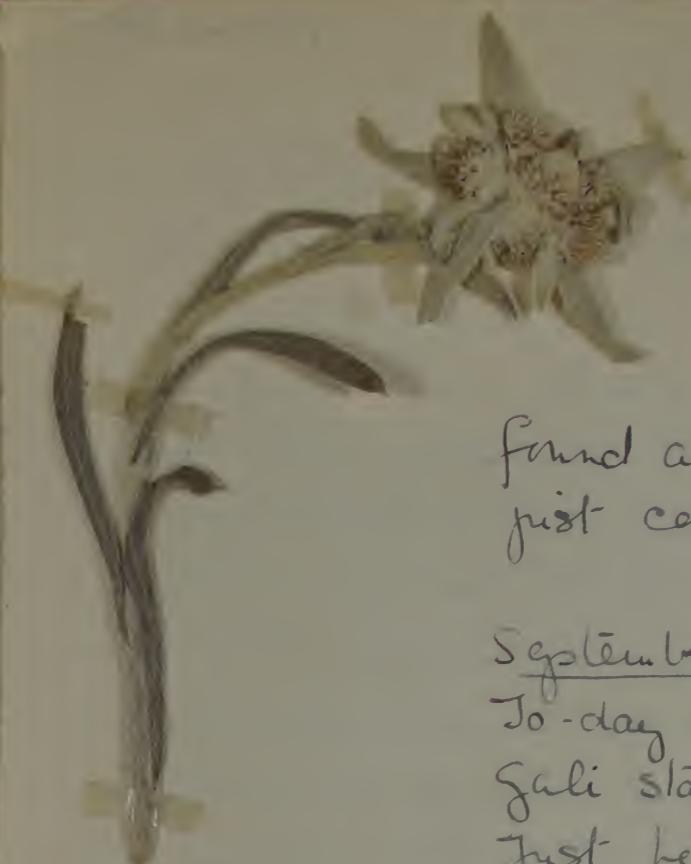
- Sep. 6. 1912 -

12 p/2cm 0519



12 p 13 cm c 519

12 p 14 cm c 519



Panter Hill - Aug. 24.

Most of the edelweiss
seems to be over, but we
found a few pieces which were
just coming out.

September 10.

To-day we went towards Kathia
Gali starting at about 11 am.
Just before we got to the

Sign Post - we saw on our right quite a
number of monkeys, the first I have seen.

They were a good way down the khad
so we could not see them very clearly.

They were jumping about in the trees, and
running up and down them, but they
seemed very shy and frightened and ran
away when they saw us.

When we got to the Forest Bungalows Hill
we took the old path to the right which
runs through tanks crowded with all
kinds of flowers - violet, cornish, nepeta, etc.

12p15cmCS19

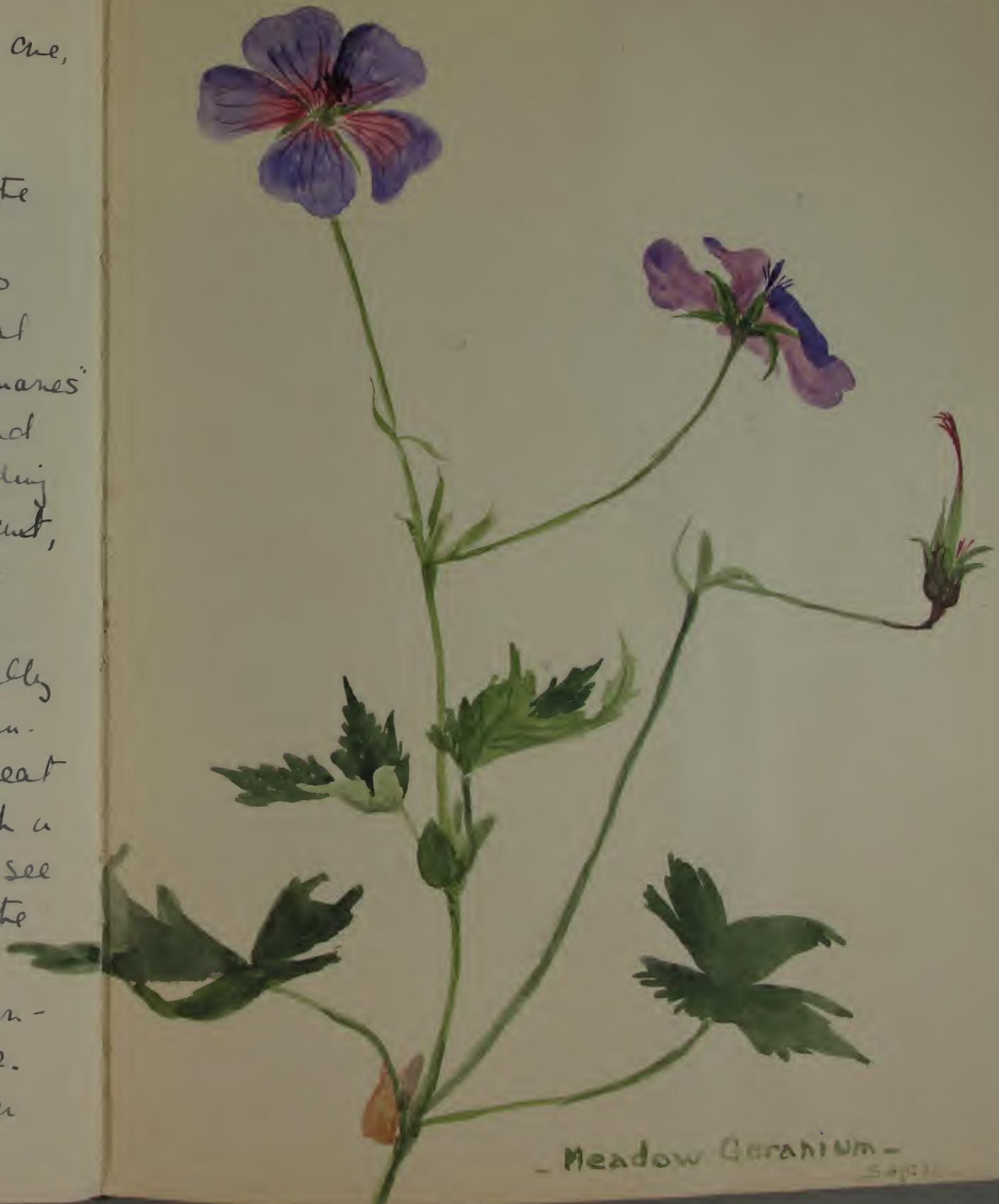
Further on the path joined the new one,
and this we followed some way.

There were not many flowers to be
found as the path led through the
forest nearly all the way, but the
ferns were lovely. Maidenhair grew
all along the banks, and in several
places we found "asplenium trichomanes"
growing in the rocks. We also found
several plants of no. 2 on the preceding
page.

The trees were magnificent,
some of them were just beginning to
get their autumn tints. There were
several cedars; in one place especially
there were quite a number of them.

On our way back we heard a great
many tree-frogs; they make such a
noise, but are very difficult to see
on account of their being almost the
same color as the bark of the
trees. However, after one or two un-
successful attempts, we caught one.
They are a little bit like a salamander.

12p16cmCS19





FRUIT
of the
Cobra Plant -

- *Arisaema Wallichianum* -

Septem 59

Septem 59

large moth. (See book II for illustration)

Oct. 13. To-day we went for a picnic at the corner just before the sign post, where there is such a splendid view of Attalatā bad. There were quite a number of vultures hovering about, several flew just over our heads so that we had a very good view of them. They sail along in the air, the whole afternoon I never saw one flapping its wings.

I found two pieces of white repelā - the small kind.

There is a great deal more snow on the mountains this morning, some are white which have been without snow since June. Yesterday we went to Panther Hill Saddle, took the path to the right which runs along right to the end, and then worked our way up to the head of the panther. On the way up I found some blue gentians, only one plant of them. Pedicularis grows in abundance there, but it is getting over now.

Oct. 15.

September 18. 1912.

12p19cm519

The pretty little pale pink balsam grows almost everywhere on Panther Hill, though I have never found it on Thandiani. It also grows below Thandiani on the other side, on the path from Hulak-a-dunna to Picnic Point.

We walked all along the ridge and came down again to the Saddle reaching it at about 6 pm. In the rocks, coming down, we found several more of the blue gentians, they are just nicely out now. On the top of the hill I found a kind of white garlic, its heads of flowers somewhat resembling scabious. (Wild Onion)

Both going and coming back we saw monkeys jumping about in the trees. They always seem very shy, and run down the trees when they see us, I suppose they think they are better hidden by the under-growth.

We saw a pine-marten running down the khad a good way below us. It was a pretty little animal, thickly covered with reddish brown fur.

12p20cm519



Sep 21 1919



Sep. 20

Oct 22 1919

Oct. 19. Yesterday we went again to Panther Hill. We went to the Saddle, and up the ridge from there. We found quite a lot of gentians, (see page before) they are coming out very nicely now. The pedicularis is practically over. We went along the top, and down a steep, stony gully just in the neck of the panther. On the rocks there we found a small greenish white flower, rather like stone-crop, only the leaves grew in rosettes and were fleshy.

We found a great many sunflowers, (page 4) which we have looked for ever so long, but have never been able to find where they grew. We saw a great many edelweiss plants, but the flowers are quite over by now.

Oct. 23. To-day we went past the sign-post towards Kala Pan.

I found a late violet still in flower. A great deal of strobolanthes was growing on either side of the gully.



-Gentiana
Kurroo.

-Panther Hill.

same time afterwards - six seconds as a rule.
The next day we went for a delightful walk under some tremendously high and rocky precipices. We were shown a bear's cave high up in the rock, it was a long narrow hole, but we saw no bears. However they had been seen a few weeks before.
I found a good deal of the ribbon fern -

Sep. 24.

To-day we started for our four days camping expedition on Panther Hill.

We camped for the first two nights on the spur running out from the head, on the right. At night I heard the owl which gives two whistling hoots at a time, the next two always being at exactly the



- RIBBON
FERN -

Sep. 24.

12 p 25 am 519

Strabiolanthus



12 p 25 am 519

Altogether I found three new flowers - a ~~white~~
sage, dodder, and a lovely deep purple
Convolvulus which grows ~~at~~ ^{at} undisturbedly in the
fields lower down, but that was the first
time I had seen it.

The gentians are lovely on Panther Hill now,
I have found them nowhere else.

I found a great deal of a flower very
like a white knapweed, growing in the
rocks on Panther Hill. (See next page.)

Sep. 30. To-day we spent at Hula-ka-duna.
The flowers are getting very much over now.
The fens are turning a most lovely
yellowish brown colour, especially that
rather like pensley fern, which is very
common. The pink ice plant is now
out on the precipice part.

The daisies illustrated on the page before,
grow very plentifully on James Hill. When
the heads of flowers open, they are white, but
later on, just as the flowers are fading, they
turn mauve, both the white ray florets,
and the yellow disc florets.

12p27cmc519

October 8.

To-day we left Thandiani. There are very few flowers left, of which ragwort is the most abundant. On the way down to Abbottabad I saw several flowers which I had not seen in Thandiani, and which generally grow in fields. I saw a good deal of the lovely mauve convolvulus (see next page) it is generally found in fields, and varies very much in colour; sometimes it is a deep pink, sometimes purple, and very often dark blue. The leaves are few and small.

12p28cmc519



September 25

i2p29cm519

i2p30cm519



October 2.

- CONVOLVULUS -

- October 26. 1912 -

This pink rock plant was almost the last to flower before we left. The leaves are thick and fleshy, and as the flower comes out, they seem to wither away and turn brown.

This convolvulus I found growing as a weed in the compound in Lahore. I was very glad to find it as I have not had an opportunity of painting it before.

1931cm0519

-1913-

Lucknow.

January 11. I found this flower growing by the side of the road near the river. The flower itself is rather like a yellow poppy, but the leaves are just like those of a thistle.

I have not found the name of the small scrophulariaceous, I found it growing in several of the ruined walls of the Residency.

Yesterday we went on the River Gomti, a tributary of the Ganges. By the side of the water there was corn growing, and in it, a great deal of mustard.

1931cm0519

-LUCKNOW-



From the
Residency Grounds—

i2p33amc519

- Dehra Dun -



- JANUARY 24. 1913 -

i2p34amc519



- Ageratum -

- JANUARY 30 -

i2p35cmc519



Yellow Balsam.

- July 30. 1913 -

i2p36cmc519

- Ghandian -

I did not come up until the middle of June, so most of the early flowers, such as the peony, large saxifrage, mauve primula, violet, horse chestnut, cherry blossom & sycamore, were over.

The white Lelletrine and clematis, usually in flower on the way up earlier in the year, were also over.

The cobra plants were all out; this year I have found a good deal more of the small yellow one, (see next page but one) it seems much the most scarce.

July 30. This yellow Lalsam is out earlier this year than last, as are also most of the flowers. I suppose it is because we have had much more rain. Roscoea alpina is quite over now, it came out about the beginning of July when the rains begin, and lasts only a very short time, about a fortnight or three weeks. Monk's hood and the large campanulas are just coming out. On Friday we found Habenaria Edgeworthii, the small campanula,

Cap 370 mcs 519

Spiraea canescens, and *Repetita goraniana*.

Yesterday we went to the signpost, and on the way passed a stump of a tree covered with tiny load stools. There must have been hundreds, if not thousands of them. We found a white speedwell.

July 31. Yesterday we went to Hula-ka-duma, and found the small white daisy in flower for the first time. We found a brown puff-ball, covered with minute spines, and at the top there was a small hole out of which the spores could be shaken out like powder. They were brownish green in color.

August 1. We followed the small stream near Hula-ka-duma Saddle, and found a great many load stools and fungi growing on the decaying tree stumps and logs lying in the water. Among them was a puff-ball with a small hole at the top, out of which it sent its spores. We found a good deal of white willow herb, it was just like the ordinary pink one, only it had white flowers, which I think is a rare occurrence.



- July 31st 1913 -

COBRA PLANTS -

12 P.M. 1881



- *Arisaema*
flavum -

- *Arisaema* *Wittianum*
- *longifolium* -

- *Arisaema*
Jacquemontii -

12p39cmc519

12p40cmc519



Hound's Tongue

August 16.

The clematis with cream colored bell shaped flowers is just coming out. Monkshood and yellow Welch are also just out.

The bees are very busy getting honey. They seem especially fond of the pink balsams. There always seem to be crowds of them flying in and out.

Aug: 20th. On Monday we went to the Forest-Bungalos Hill, where the flowers grow very plentifully. Arenaceous are still out there, and much finer ones than are to be found at this end of Mandiani. Primantes is just coming out; the white leagle has been out a few days. The berries on the following page we found growing in quantities on a bush; they look something like blackberries, and yet like raspberries. They have very little flavor, but are soft, and seem ripe in spite of their sourness.

We saw several large woody ferns growing on a rotten stump, about six or seven inches across. They were pale brown, but turned a reddish purple when touched.

12p4Ames519

Sep: 15. Last Saturday we spent the day at Paulsen Hill.
We left home at half past nine in the morning,
went down to the Saddle, and then followed the
path to the right which runs round the hill.
The flowers there differ considerably from those
we found here, although the two hills were
close together. At the Saddle there is a great
deal of the pretty little pink balsam, which
is much more delicate than the ordinary
large pink one. Round the far side we
followed a small path which led through
masses of yellow balsams for ever so far,
have never seen such quantities. Red, white
and pink bistort, large pieces of blue forget-me-not,
regal, tall mallow, red potentillas, meadow
cranesbills, and wild sunflowers grew in masses
on the top of the hill. We found a great many
edelweiss roots, but all the flowers were
over. A smaller second crop comes up later
on in September. The blue gentians are not
yet out. We passed a large walnut tree
with a great many walnuts on it, but
they were not quite ripe. We got caught

12p42Ames519

-Wild Raspberries-



AUGUST 2010

i2p430mc519



i2p446mc519



12p45am0519



Fruit of a cobra plant.
Said to blister the face.
Weight - 5½ ozs.

Found on the other side
of Panter Hill, growing
under the roots of a
tree.

12p46am0519

in a sharp thunderstorm on the top, but after about two hours it cleared up again and turned quite fine. The ferns we passed were lovely. Maidenhair grew everywhere, and in the rocks we found spleenwort and polypody, and a little ribbon fern here and there. The wolffia was magnificent, I have never seen such large pieces. On the way home we saw some monkeys running up the hill, and climbing about in the trees. They are not often to be seen.

Yesterday I saw a snake that had just been killed.

Yesterday we spent at Panter Hill. We started at 10 am. and went along the path round Panter Hill; when we got round the Head, we climbed up to the top, came along the ridge, and down the end to the Saddle. The flowers were not nearly so fine as they were last time I went, the wild sunflowers were quite over. I found some lovely gentians (*Gentiana lutea*) growing on the rocks, and two or three late

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pieces of edelweiss. We found a large crimson
caterpillar crawling on the path, with a silver
clawed head.

12p48cmc519



Cowslip.

MAY 2.

12p49cmcs19



Villiers sur Marne



Tassel Hyacinth
(Muscari comosum.)

JUNE 9. 1914

Jones. 1914.

12p50cmcs19

June 8th. Everything is much more advanced here than in England. The hayfields are full of flowers - clover, marguerite daisies, yellow daisies, buttercups, ladies' finger and several others including many tall grasses. The wild roses and bramble are also in flower. I found the flower on the opposite page growing in a field, I think it is a kind of onion. The wild strawberries (fraises des bois) are ripe, they are quite large and have a delicious flavour.

Yesterday I found two wild irises growing by the side of a pond, but it was too wet to get them.

DEVONPORT.

12 p 51 cm 519

AUTUMN 1914.



Skeleton of a leaf-

The Death of The Flowers-

The melancholy days are come, the saddest of the year,
Of wailing winds, and naked woods, and meadows brown and sere.
Heaped in the hollows of the grove, the autumn leaves lie dead;
They rustle to the eddying gust, and to the rabbit's tread.
The robin and the wren are flown, and from the shrubs the jay,
And from the wood-löp calls the crow through all the gloomy day.

William Cullen Bryant.



Front of Frond-



Back of Frond
showing spores-

- Spore-bearing Fern-

i2 p53 omc 519

L



Sep. 25.



Sep. 26.



Oct. 12.

C H A P T E R

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The Growth of an Acorn.



October 2.



October 8.



October 17.



H
E
I
R

Iris

Berries

October 11, 1919.

iap55cm519



ROWAN LEAVES-

-in Autumn-

1916.

iap56cm519

iap57cmc519



Sea Aster.

- July 28, 1923 -

iap58cmc519



Sea Plantain.

distinguished by its long fleshy
creviced leaves.

July 29, 1923.